



*Report to the  
Auburn City Council*

Action Item  
Agenda Item No. **14**

*[Signature]*  
City Manager Approval

**To:** Mayor and City Council Members  
**From:** John Ruffcorn, Chief of Police  
**Date:** February 27, 2012  
**Subject:** Public Safety Regional Computer Aided Dispatch and Records Management System

**The Issue**

Should the City Council approve the execution of contract with the County of Placer and the City of Roseville to replace our current Computer Aided Dispatch (CAD) and Record Management System (RMS) with an increased functionality upgraded system that will replace the existing regional TIBURON/CAD radio/dispatch communications system?

**Conclusions and Recommendation**

Staff recommends that the City Council by **RESOLUTION** authorize the City Manager or his designee to execute a contract with the County of Placer and the City of Roseville to purchase a 2.84% share in a new regional CAD/RMS system from New World Systems Incorporated that will replace our existing regional TIBURON/CAD system and our LEADS RMS system.

**Background**

In 1996 the Auburn Police Department, along with the Placer County Sheriff's Department and Roseville Police Department were the beneficiary of a CCAP, Career Criminal Apprehension Program Grant. The grant provided the departments with funding to purchase the Tiburon automated computer system, commonly referred to as Tiburon or CAD." The CAD system functional features include computer-aided dispatch, automated warrants system, and a records management system. Auburn chose to only enter into the dispatch and warrant functions of the system; however, software difficulties and limitations with the records management system deterred us from entering into a shared records management system and we continued with our LEADS RMS system that was implemented prior to 1990. The CAD/RMS system functioned adequately; however, the system has become antiquated and is no longer meeting our needs.

Currently, the police department relies on server and infrastructure support from Placer County when it comes to records management and computer aided dispatch. With the downsizing of the police department and city staff over the last few years, it would be very difficult and expensive for us to upgrade and maintain our current system, or craft and generate our own request for

proposal. A stand-alone system would cost \$300,000-\$500,000 and we would almost certainly have to increase our current IT support contract or hire a fulltime IT employee. If Auburn were to consider moving to a stand-alone CAD/RMS system, the costs would be substantially higher, and would not be as robust as the proposed regional system.

Auburn's existing records management system known as LEADS is not currently compatible with the Tiburon/CAD system for data sharing and dispatchers are required to enter report information into two separate systems. This is a duplication of effort to enter data into LEADS and CAD/Tiburon as well as the duplication of data searches through both systems. Some frustrations have also existed with the functionality of the LEADS system and the fact this system is owned, operated, and maintained by only a few individuals which raises concern for support when problems arise.

This CAD/RMS proposal is intended to update the automated information systems currently used by various local law enforcement and fire agencies. Specifically, Auburn seeks to replace a multiple legacy, end of life system that does not support interoperability, or provide for effective information tracking and management. Through the identification and procurement of a new regional system, enterprise solution, we anticipate enhanced automated capabilities that will allow for improved data management, effective decision support, and enhanced records retention and analysis, all in support of our community.

Staffs from Placer County, Roseville, and the Auburn Police Department have worked over the last 15-months through a request for information process, a request for proposal process, and a vendor project specific process to come up with the best solution for all of the partnering entities. Knowing that this would be both a monetary and a labor concern, I have personally been involved in this exploratory process from the beginning. I have worked with the regional committees and the police department staff, vetted our current systems, and determined that within the new RPSS project, Auburn would be responsible for 2.84% (see attached spreadsheet depicting costs-\$76,167.11) of the costs associated with the purchase. I feel our 2.84% share in this project is a fair assessment. I am confident our police department staff and I analyzed the numbers and will not be paying for anything other than our own usage.

A CAD/RMS upgrade is highly recommended at this time as it will eliminate programming problems and correct a number of customization issues that have existed during the life of the existing system. This will ultimately provide greater accuracy with the geographic informational data and other aspects of the system as well.

A move by Auburn to the New World Systems regional CAD/RMS is not only beneficial, but also financially feasible. With the previously reported monies that the police department will be receiving from AB109 funds (\$150,000) it is anticipated that this purchase will have minimal effect on the city's capital improvement budget.

**Alternatives Available to Council; Implications of Alternatives**

1. Approve the recommended expenditure not to exceed \$76,167.11 to upgrade the existing Tiburon/CAD system and equipment with Placer County and Roseville as outlined.
2. Deny recommended staff report and look for other alternatives at an unknown cost.

**Fiscal Impact**

The CAD/RMS purchase will cost \$76,167.11, plus current data conversions costs estimated at an additional \$16,000. Annual maintenance is still being negotiated, but it is projected to be no more than \$27,000, which is approximately \$7000.00 more than we pay now. Additional costs that will have to be incorporated in this project will be an upgrade of our patrol vehicle mobile data computers, and the upgrade of computers within the police department, which is estimated to be no more than \$100,000.

CAD/RMS Purchase	\$76,167.11
Data Conversion	\$16,000.00
Hardware Upgrade	\$100,000.00 (estimate)
 Total	 \$192,167.11
 AB109 Monies	 \$150,000.00
 Estimated Fiscal Impact	 \$42,167.11







Category	Description	Amount	Percentage	Total
CORRECTIONS	8) Aegis/MSP Corrections Management Software Base Package	\$75,000.00	60.00%	\$556,000.00
	- Aegis/MSP LP Records Interface	\$3,947.37		
	- Bookings	\$3,947.37		
	- Incident Tracking	\$3,947.37		
	- Inmate Property Tracking	\$3,947.37		
	- Inmate Classification	\$3,947.37		
	- Inmate Housing	\$3,947.37		
	- Miss Move	\$3,947.37		
	- Inmate Scheduling and Tracking	\$3,947.37		
	- Inmate Contacts (visitor, mail, phone, emergency)	\$3,947.37		
	- Inmate Programs (Courses)	\$3,947.37		
	- Inmate Activity Log	\$3,947.37		
	- Trustee	\$3,947.37		
	- Case Management	\$3,947.37		
	- Corrections Officer Log	\$3,947.37		
- Finance Management (Inmate, facility)	\$3,947.37			
- Jacket Processing	\$3,947.37			
- Business Retainer	\$3,947.37			
- Personnel/Education	\$3,947.37			
- GIS/Geo-File Verification	\$3,947.37			
9) Aegis/MSP State Compliance Reporting for Corrections	\$34,000.00			
- State Corrections Reporting	\$34,000.00			
- Includes up to 4 reports				
10) Additional Aegis/MSP Software for Corrections Management	\$16,000.00			
- Data Analysis/Crime Mapping/Management Reporting	\$17,000.00			
- Grievance Tracking	\$17,000.00			
11) Aegis/MSP Third Party Corrections Interface Software	\$36,000.00			
- Livescan Interface	\$36,000.00			
12) Aegis/MSP Imaging Software	\$50,000.00			
- Public Safety Lineups/Mug Shots	\$13,000.00			
- ID Badges	\$13,000.00			
		\$241,000.00		\$241,000.00
				\$89,170.00
				\$144,600.00
				\$7,800.00
				\$8,400.00
				\$5,180.00
				\$9,046.44
				\$3,953.56
				\$4,257.68
				\$15,000.00
				\$20,000.00
				\$17,000.00
				\$12,000.00
				\$10,200.00
				\$7,400.00
				\$6,290.00

Item	Description	Quantity	Unit Price	Total Price	Notes
<b>MOBILE SOFTWARE ON THE RS/6000</b>					
17	Base Message Switch to SineNCIC (301-500 units) - Base Message Switch for MDTMCT - SineNCIC Interface		\$120,000.00		
18	Additional Aspis® Software for RS/6000 Message Switch - New World CAD Interface for Aspis MSP (201-300 units) - Mobile Upload Software (301-500 units) - AVL Interface (201-300 units) - AVL Interface (201-300 units)		\$25,000.00 \$80,000.00 \$25,000.00		
<b>MOBILE SOFTWARE ON THE MSP Server</b>					
19	Aspis® Mobile Integration Software - MDTMCT Base CAD/RMS Interface (301-500 units) - AVL CAD Interface (201-300 units)		\$39,000.00 \$25,000.00		
<b>MOBILE MANAGEMENT SERVER</b>					
20	Aspis® Mobile Management Server Software (301-500 units) - Base CAD/RMS/Messaging - Field Reporting - Field Reporting Data Merge		\$30,000.00 \$7,500.00		
<b>CLIENT SOFTWARE</b>					
21	Aspis® Law Enforcement Mobile Unit Software (180 Units) Mobile Messaging LE Stage/NCIC via Switch LE CAD via Switch Drivers License Map Strip Reader/Barcode Reader Interface Mugshot Image Download In-Car Mapping In-Car Routing New World AVL	\$500 each \$750 each \$200 each \$200 each \$400 each \$300 each \$300 each	\$90,000.00 \$135,000.00 \$36,000.00 \$36,000.00 \$72,000.00 \$84,000.00 \$54,000.00		
<b>Field-Based Reporting (180 Units)</b>					
LE	Field Reporting (Federal Standards) The following 4 New World Reports are included: - Incident (1 form) - Case (1 form) - Arrest (1 form) - Supplement (1 form)	\$1000 each	\$180,000.00		
LE	Field Reporting Compliance The following New World Report is included: - Accident (1 form)	\$200 each	\$36,000.00		
LE	Accident Field Reporting The following New World Report is included: - Accident (1 form) - Accident Field Reporting Compliance Mobile Upload of Field Reports Demographic Profiling Questionnaire Includes 1 New World Report	\$1000 each \$300 each \$600 each \$100 each	\$180,000.00 \$54,000.00 \$108,000.00 \$18,000.00		
<b>In-Station Field-Based Reporting (137 Units)</b>					
LE	Field Reporting (Federal Standards) The following 4 New World Reports are included: - Incident (1 form) - Case (1 form) - Arrest (1 form) - Supplement (1 form)	\$1000 each	\$137,000.00		
LE	Field Reporting Compliance The following New World Report is included: - Accident (1 form)	\$200 each \$1000 each	\$27,400.00 \$137,000.00		
LE	Accident Field Reporting The following New World Report is included: - Accident (1 form) - Accident Field Reporting Compliance Mobile Upload of Field Reports Demographic Profiling Questionnaire Includes 1 New World Report	\$300 each \$600 each \$100 each	\$41,100.00 \$82,200.00 \$13,700.00		



Item	Platform	Quantity	Unit Price	Total Price	Category	Sub-Category	Notes
Custom Software				\$384,500.00			
Crossroads E Citations	R		\$12,800.00	\$12,800.00			
Crossroads Crash Database	R		\$19,200.00	\$19,200.00			
Coplink	AI		\$16,960.00	\$16,960.00			
Crimestar	PC/R		\$8,640.00	\$8,640.00			
Carteen Commissary	PC/R		\$12,800.00	\$12,800.00			
Dataworks plus Mugs	PC/R		\$16,960.00	\$16,960.00			
CryWolf	PC/R		\$12,800.00	\$12,800.00			
Zoll/SumPro	PC/R		\$12,800.00	\$12,800.00			
Thinkstream CAD to CAD	AI		\$107,200.00	\$107,200.00			
COI Positive ID	AI		\$70,400.00	\$70,400.00			
Site Document Imaging	AI		\$42,740.00	\$42,740.00			
Teletair	AI		\$12,800.00	\$12,800.00			
Revolution Property Evidence	AI		\$25,600.00	\$25,600.00			
ProOA	PC/R		\$12,800.00	\$12,800.00			
Application Software Modifications (Estimate)			\$18,000.00	\$18,000.00			
			\$11,960,000.00				
<b>Third Party Software</b>							
Embedded Third Party Software			\$5,000.00	\$5,000.00			
GIS Software			\$70,730.00	\$70,730.00			
CAD Workstations using ArcGIS Engine runtime							
Mobile In Car Mapping and Routing							
Geo File Maintenance Software ESRI							
Diagramming Software			\$54,500.00	\$54,500.00			
Third Party Hardware Message Switch & Lantronix			\$450.00	\$450.00			
			\$150,680.00				
<b>Other</b>							
Performance Bond			\$28,600.00	\$28,600.00			
Source Code Exerow			\$3,000.00	\$3,000.00			
Executive Conference Registration			n/a				
Estimated California Sales Tax			\$468.00	\$468.00			
			\$32,068.00				
<b>Travel &amp; Living Expenses</b>							
			\$90,000.00	\$90,000.00			
			\$90,000.00				
Source Code Exerow Fee			\$1,000.00	\$1,000.00			

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RESOLUTION NO. 12-

RESOLUTION AUTHORIZING THE SIGNING OF A CONTRACT TO PURCHASE A  
3% STAKE IN A REGIONAL CAD/RMS PROJECT.

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THE CITY COUNCIL OF THE CITY OF AUBURN DOES HEREBY RESOLVE:

That the City Council of the City of Auburn does hereby authorize the  
City Manager or his designee to sign a contract with Placer County and the City  
of Roseville to purchase a 2.84% share of a CAD/RMS computer system not to  
exceed \$76,167.11, knowing that there will be additional costs associated with  
hardware upgrades and data conversion.

DATED: February 27, 2012

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Keith Nesbitt, Mayor

ATTEST:

\_\_\_\_\_  
Joseph G. R. Labrie, City Clerk

I, Joseph G. R. Labrie, City Clerk of the City of Auburn, hereby certify that the  
foregoing resolution was duly passed at a regular meeting of the City Council  
of the City of Auburn held on the 27th day of February 2012 by the following  
vote on roll call:

Ayes:  
Noes:  
Absent:

\_\_\_\_\_  
Joseph G. R. Labrie, City Clerk

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